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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 10/786,754 | |
| Filing Date | February 25, 2004 | |
| First Named Inventor | Tsuyoshi Okutani | |
| Art Unit | 2851 | |
| Examiner Name | Not yet assigned | |
| Attorney Docket Number | 848075-0067 | |

| Examiner | Cito | December 11 | U. S. PATENT D | OCUMEN 13 | |
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| /K.W./ | | JP 2001-174887 | 06-29-2001 | Canon KK | | 17 |
| /K.W./ | | JP 10-83014 | 03-31-1998 | Asahi Optical | | + |
| /K.W./ | | JP 9-230199 | | | | 1 |
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Inansation is attached.

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| Supenin | (8 IO) IOIII 1443/FTO | | | Application Number | 10/786,754 | | |
| INF | ORMATION | I DIS | CLOSURE | Filing Date | February 25, 2004 | | |
| STA | TEMENT E | 3Y A | PPLICANT | First Named Inventor | Tsuyoshi Okutani et al. | | |
| | | - | | Art Unit | 2851 | | |
| | (Use as many sh | eets es n | ecessary) | Examiner Name | Not yet assigned | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 848075/0067 | | |

| | | NON PATENT LITERATURE DOCUMENTS | |
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| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
| /K.W./ | | English translation of portion of Japanese Digital Camera Magazine article, page 70 (Publication date: March 1, 2003.) | |
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| Examiner Signature | /Kent Wang/ | Date Considered | 08/23/2007 |

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| /K.W./ | | English translation of portion of Japanese Digital Camera Magazine article, page 70 (Publication date: March 1, 2003.) | |
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| Examiner | 117 (114) | Date | 08/23/2007 |
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| Signature | /Kent Wang/ | Considered | 00/23/2007 |

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| Filing Date | February 25, 2004 | | | |
| First Named Inventor | Tsuyoshi Okutani et al. | _ | | |
| Art Unit | 2851 | | | |
| Examiner Name | Not yet assigned | | | |
| Attorney Docket Number | 848075/0067 | _ | | |

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| /K.W | 1 | JP-A-2003-66309 | 03-05-2003 | | | |
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| <u>/₩₩/</u> | | JP-A-2002-355708 | 12-06-2002 | | · | |
| /K.VV./ | | JP-A-2001-33683 | 02-09-2001 | | | Г |

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| | /Kent Wang/ | | | |
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| INF | ORMATIO | N DIS | CLOSURE | Filing Date | February 25, 2004 |
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| | | | | Art Unit | 2851 |
| | (Use as many st | ieets as i | iecessary) | Examiner Name | Not yet assigned |
| Sheet | 2 | of | 2 | Attorney Docket Number | 848075/0067 |

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| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| /K.W./ | | March number of Digital Camera Magazine, page 70 (Publication date: March 1, 2003. | |
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| Signature | /Kent Wang/ | Considered | |

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| /K.W. | | JP 7-23259 | 01-24-1995 | Yoshiyuki | | ~ |
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| Examiner Signature | /Kent Wang/ | Date Considered | 08/23/2007 |
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Sheet 2

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| | | | U. S. PATENT | DOCUMENTS | |
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